

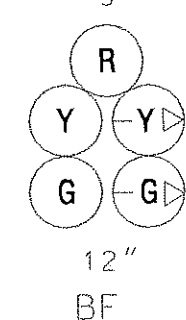


RIGHT OF WAY

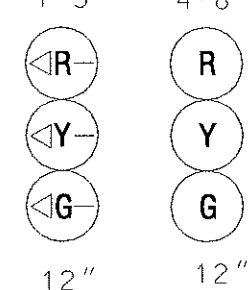
EXISTING SIGNS



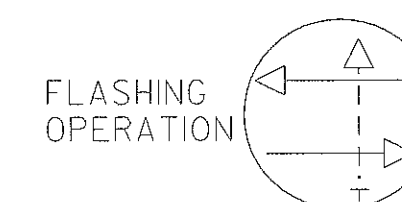
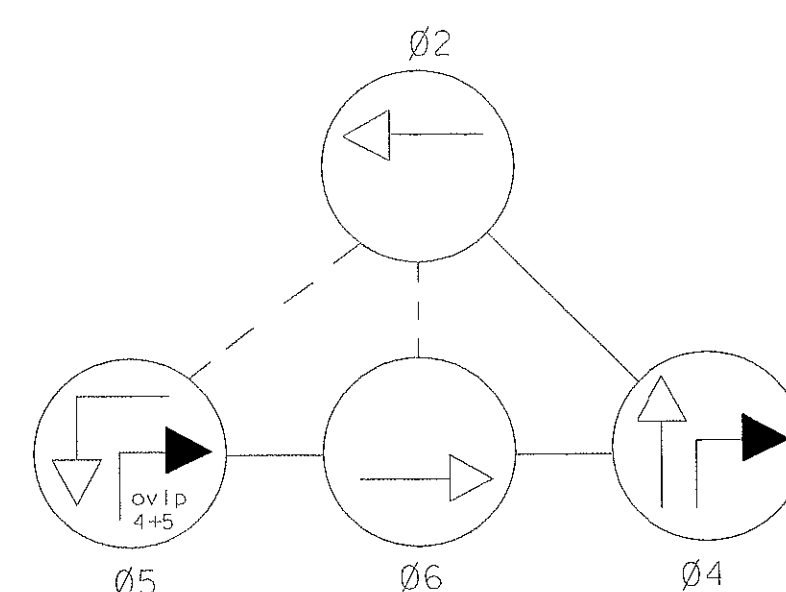
PROPOSED SIGNAL



EXISTING SIGNALS



NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A RIGHT TURN OVERLAP PHASE FOR NORTHBOUND CONSTANT FRIENDSHIP BOULEVARD.

INTERSECTION OPERATION

THIS INTERSECTION WILL OPERATE AS A NEMA FOUR PHASE OPERATION. THERE IS AN EXISTING EXCLUSIVE LEFT TURN PHASE FOR WESTBOUND TOLLGATE ROAD TO RUN CONCURRENTLY WITH THE PROPOSED RIGHT TURN OVERLAP PHASE FOR NORTHBOUND CONSTANT FRIENDSHIP BLVD. THE TOLLGATE ROAD THROUGH MOVEMENTS WILL RUN CONCURRENTLY.

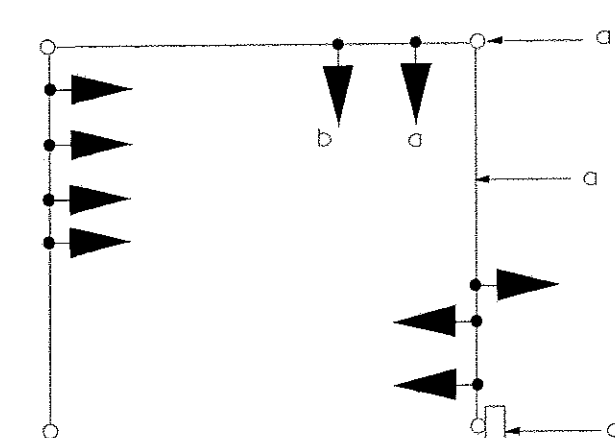
A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9051	1 EA	(SPAN MT) 12" 1-WAY, 5-SECTION POLY/ALUM SIGNAL (W/ TETHER CLAMP) - BLACK FACE
8085	150 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)

CONSTRUCTION DETAILS

- REMOVE EXISTING THREE SECTION SIGNAL HEAD.
INSTALL NEW FIVE SECTION SIGNAL HEAD WITH RIGHT ARROWS.
- USE EXISTING STRAIN POLE AND SPAN WIRE.
- USE EXISTING STRAIN POLE AND EXISTING POLE MOUNTED CABINET.

WIRING DIAGRAM



a - 7 conductor electrical cable no. 14 awg

UTILITY LEGEND

— G —	GAS MAIN
— W —	WATER MAIN
— S —	SEWER MAIN
— E —	ELECTRIC CABLES
— A —	AERIAL CABLES
— T —	TELEPHONE CABLES

REVISIONS		APPROVALS		MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety	
		ORIGINAL		TRAFFIC ENGINEERING DESIGN DIVISION	
		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION		TOLLGATE ROAD AT CONSTANT FRIENDSHIP BLVD	
		ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION			
		ON			
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION			
		FILE			
		DIRECTOR, TRAFFIC & SAFETY			
A. INSTALL RIGHT TURN OVERLAP FOR NB CONSTANT FRIENDSHIP BLVD		2/01		DRAWN BY: D. DICKERSON	
REVISIONS		CHECKED BY:		S.H.A. NO.	
		SCALE: 1" = 20'		COUNTY: HARFORD	
		DATE: JANUARY 2002		LOG MILE:	
				TS NO.	
				T.I.M.S. NO.	
				F-006	
				SHEET NO.	
				OF	